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NEW TROPICAL PSEUDOSCORPIONS.

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EAST FALLS CHURCH, VA.

In going through some material from Mexico and South America I find a few new species of these Arachnida, which are herewith described. Most of the specimens were collected by Mr. Baker or Dr. Moenkhaus, a few by Dr. Eisen. Of particular interest is the new *Garypus* which is very different from the one known South American species, which was also in the collection.

1. *Garypus viridans*, new species.

Cephalothorax, palpi and legs pale greenish, fingers more reddish, abdomen darker, probably also greenish when alive. Cephalothorax subtriangular, but longer than broad behind, front deeply emarginate in middle, the anterior of the two eyes each side is more distinct than the posterior; a groove, with ends curving forward, toward the posterior end, surface finely granulate, a few very short clavate hairs in front; stylet of mandibles long, tip outcurved, two little processes on the inner side toward the tip. Palpi long, trochanter long, slightly swollen on lower side behind, femur longer than cephalothorax, gradually enlarging from base to near tip; tibia fully two thirds length of femur, enlarging from base to tip, but little broader than femur, inner side barely convex; claws very long; hand not much shorter than the tibia, more than twice as long as broad, nearly twice as broad as tibia, sides subparallel, fingers longer than hand, slender, curved, with many simple hairs, other joints with few and extremely short ones, barely visible; surface of claw not granulate. Abdomen about one and a half times as long as broad, some of the segments divided, but not separated, their surface minutely granulate,

no hairs visible; legs slender, with very short hairs, except on the apical joints.

Length 3.2 mm.

From Santa Marta, Colombia (Baker).

2. *Chelifer approximatus*, new species.

Cephalothorax and palpi dark yellow-brown, legs paler, dorsal scutæ brown. Cephalothorax with numerous small conical tubercles, elsewhere finely granulate. Dorsal scutæ long and narrow, approximate on inner edges, granulate, and with six or eight very short clavate hairs behind, and a few on the disc. Palpi very long and slender; the trochanter with short stiff hairs, a scabrous swelling behind with two tips; femur one and a half times as long as the cephalothorax, gradually enlarging from the base to tip, densely granulate, and with many short, clavate hairs; tibia nearly as long as the femur, slightly broader near tip, inner side straight, outer side concave at base, then convex toward the tip, the short hairs nearly simple; claw longer than femur, very slender, the hand rather broadest near base, but the sides nearly parallel, about one and a half times as broad as tibia, nearly as long as the cephalothorax, with a few simple hairs; fingers slender, curved, scarcely as long as hand, with few long hairs, and many shorter, simple ones.

Length ♂ 2.5 mm.; ♀ 4 mm.

From Pescadero, and El Taste, Lower California.

3. *Atemnus gracilis*, new species.

Cephalothorax pale yellowish brown, palpi reddish brown, abdomen and legs pale yellowish. Cephalothorax one and two thirds times as long as broad, broadest behind, rounded in front, an eye-spot each side, behind near tip is a transverse line, surface smooth, a few simple hairs. Basal part of mandibles rather larger, stylet forked nearly to the base. Palpi rather large; trochanter with a small swelling behind toward the tip; femur only a little longer than width of the cephalothorax, distinctly pedicellate, broadest near base, inner side toward tip concave; tibia as long as femur, convex on both sides, once and a half as broad as femur; claw very large, rather longer than the cephalothorax, hand very broad at base, more than once and a half as broad as tibia; fingers about as long as hand, large and curved; all joints with rather long simple hairs; abdomen fully three times as long as broad, narrowed at base, tip with several long simple hairs.

Length 2 mm.

From Sonora, Mexico.

4. *Chelanops obesus*, new species.

Cephalothorax and palpi dark red-brown, the latter the darker; dorsal scutæ dark brown; legs pale reddish brown, paler at tips. Cephalothorax nearly smooth, but very finely granulate, with a few scattered very short clavate hairs. Palpi very heavy; the trochanter globose above behind; the femur about as long as the width of the cephalothorax, sides subparallel,

rather concave near inner tip; tibia about as long as femur, rather long pedicellate, much swollen on inner side and then almost concave, as broad as the femur; claw much longer than cephalothorax and mandibles together, the hand nearly as long as tibia, extremely broad, about two and a half times as broad as tibia, truncate at base, tapering to the fingers, which are rather slender, curved and nearly as long as the hand; clavate hairs on trochanter, femur and inner surfaces of tibia and hand, also clavate hairs on upper surface of legs. Stylet of mandibles short and simple. Dorsal scutæ very narrow, with about eight hairs behind.

Length 4 mm.

From Tucson, Arizona, and Lower California, Mexico.

5. *Chelanops calidus*, new species.

Cephalothorax yellow-brown, palpi uniform pale yellowish brown, dorsal scutæ brownish. Cephalothorax finely granulate, with few clavate hairs; stylet of mandible slender and simple. Palpi rather short; trochanter gibbose above and also behind; femur hardly as long as width of cephalothorax, sides nearly parallel, rather broadest near base; tibia nearly as long as femur, evenly convex on the inner side, plainly broader than the femur; claw longer than cephalothorax plus mandibles, hand rather heavy, about twice as broad as the tibia, broadest at base, tapering to the fingers, which are as long as hand, and rather large. A few nearly clavate hairs on the trochanter, other hairs simple, long and variable in length. Dorsal scutæ short, with about five simple bristles on posterior edge; long bristles on the last segment.

Length, ♀ 2.5 mm.; ♂ 2 mm.

From Sonora, and Lower California, Mexico.

6. *Chelanops confraternus*, new species.

Closely related to *Chelanops nitidimanus* Ell.; the proportions of parts similar to that species. The femur of palpus fully two and one half times as long as broad; the fingers as long as hand; the hand as described for *C. nitidimanus*, the hairs barely clavate. The three hairs on the posterior edge of each dorsal scutum are strongly clavate, and very short; the cephalothorax is granulate behind, but nearly smooth in front. The cephalothorax and palpi dark red-brown, the fingers paler, the cephalothorax has a long white spot each side behind as in *C. nitidimanus*, and the first abdominal segment also has the same spots, while the fourth to ninth segments inclusive have at their outer tips a distinct white spot, making five white spots along each side at the middle of the abdomen.

Length 2 mm.

From Poco Grande, Brazil.

7. *Chelanops garcianus*, new species.

Color pale yellowish brown. The cephalothorax with groove behind the middle, surface finely and evenly granulate; stylet of mandibles simple, not very long, point outcurved; palpi of moderate length, the trochanter with two

humps behind, femur as long as width of the cephalothorax, of nearly even width throughout, the inner margin slightly concave before tip; tibia as long as femur and as wide in the middle, strongly convex on inner side, evenly and slightly convex on outer side, claw longer than cephalothorax and mandibles, hand one and one fourth times broader than tibia, not much swollen on either side, more so on inner side; all the joints bear short distinctly clavate hairs, those on the outer sides of the tibia and hand are simple, and those on finger are long and simple. There are also clavate hairs on the cephalothorax and eight or nine very short clavate hairs on the posterior edge of each dorsal scutum.

Length 2 mm.

Havana, Cuba.

8. *Olpium modestum*, new species.

Cephalothorax and palpi pale yellowish brown, darkest on fingers and front of cephalothorax, rest of body and legs pale yellowish. Cephalothorax one and a half times longer than broad; palpi of moderate length; femur nearly as long as cephalothorax, front margin slightly convex; tibia a little shorter than femur, plainly broader; claw as long as cephalothorax plus mandibles, hand twice as broad as femur, fingers about as long as hand; abdomen two and one half times as long as broad, broadest in middle; body, palpi and legs with fine hairs.

Length 2 mm.

From Pernambuco, Brazil.

Near to *O. ramicola* Balzan or *O. elegans* Balzan, but the tibia is plainly heavier than in those species; the hand is not as broad as in *O. cordimanum*, while femur and hand are both more slender than in *O. crassichelatum*.

THREE CUBAN COLEOPTERA NEW TO THE FAUNA OF THE UNITED STATES.

BY CHAS. SCHAEFFER,

BROOKLYN, N. Y.

Two of the interesting additions to the coleopterous fauna of the United States, of which short descriptions are given below, were collected in Chokoloskee, southwestern Florida, and kindly given me by Mr. George Franck; the third; which I owe to the liberality of Mr. G. W. J. Angell, was collected at Enterprise, Florida, by C. W. Brownell.